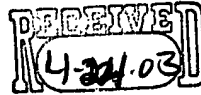


**Official**

Patent

#4/a  
m  
4.25.03**IN THE UNITED STATES PATENT AND  
TRADEMARK OFFICE**

Phoenix, Arizona

<b>Applicants-</b>	Roger M. Lewis	<b>Group -</b>	2673
<b>Serial No. -</b>	09/834,276	<b>Examiner -</b>	Leonid Shapiro
<b>Filed -</b>	04/12/2001	<b>Atty Docket No. -</b>	H26651
<b>For -</b>	METHOD, APPARATUS AND COMPUTER PROGRAM PRODUCT FOR CONTROLLING LED BACKLIGHTS AND FOR IMPROVED PULSE WIDTH MODULATION RESOLUTION		

**PRELIMINARY AMENDMENT**

Box Non-Fee Amendment  
Assistant Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Dear Sir:

Claims 1-12, 14-18 and 19 are pending in the application. Please reconsider the application in view of the following amendment.

An error in claim 5 was pointed out by the examiner. Claim 5 has been amended herein.

Please see a clean version of claim 5 below.

5 (Amended). A method for improving the resolution of an n bit pulse width modulator having a nominal time period of  $P_n$ , the method comprising the steps of:  
supplying an additional timer having K associated states and a timer period of  $P_T$ ;  
associating a modulator output value with each one of said K states; and

Docket H26651

Page 1

04/24/03

01  
outputting a pulse according to said modulator value during each time period  $P_n$  occurring within said timer period  $P_T$  during each of said  $K$  timer states, whereby the resolution of said  $n$  bit pulse width modulator substantially equals  $n = \log_2(K)$ .

---

Please see a version showing the amendments:

5 (Amended). A method for improving the resolution of an  $n$  bit pulse width modulator having a nominal time period of  $P_n$ , the method comprising the steps of:  
supplying an additional timer having  $K$  associated states and a timer period of  $P_T$ ;  
associating a modulator output value with each one of said  $K$  states; and  
outputting a pulse according to said modulator value during each time period  $P_n$  occurring within said timer period  $P_T$  during each of said  $K$  timer states, whereby the resolution of said  $n$  bit pulse width modulator substantially equals  $[n = \log_2(K)] \ n + \log_2(K)$ .

Respectfully submitted,



Miriam Jackson  
Reg. No. 33,911

Honeywell International Inc.  
Law Dept. AB2, PO Box 2245  
Morristown, NJ 07962-9806

Phone: 602-436-2909  
Fax: 602-436-3185